

## **EXHIBIT 45**

**Amendment As A Submission Under 37 C.F.R. § 1.114(c)**

Submitted: September 24, 2009

**Serial No. 10/759,841**

Filed: January 15, 2004

Applicants: Michael Wayne Graham et al.

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| <b>Form PTO-1449 (Substitute) U.S. Department of Commerce<br/>Patent and Trademark Office</b><br><br><b>INFORMATION DISCLOSURE STATEMENT</b><br>(Use several sheets if necessary) | <b>Application Number</b>   | 10/759,841                    |
|   | <b>Filing Date</b>          | January 15, 2004              |
|   | <b>First Named Inventor</b> | Michael Wayne Graham          |
|   | <b>Art Unit</b>             | 1635                          |
|   | <b>Examiner Name</b>        | Whiteman, Brian A.            |
|   | <b>Attorney Docket No.</b>  | 0687/74768-AA<br>/JFW/GJG/MJP |

## U.S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. <sup>1</sup> | Document Number Number-Kind Code <sup>2</sup> (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document |
|--------------------|-----------------------|--|-----------------------------|---|
|                    | 1                     | 5,017,488  | 05-21-1991                  | McAllister et al.                               |
|                    | 2                     | 5,270,163  | 12-14-1993                  | Gold et al.                                     |
|                    | 3                     | 5,457,189  | 10-10-1995                  | Crooke et al.                                   |
|                    | 4                     | 5,580,703  | 12-03-1996                  | Kotin et al.                                    |
|                    | 5                     | 5,707,835  | 01-13-1998                  | Haseloff et al.                                 |
|                    | 6                     | 5,795,715  | 08-18-1998                  | Thierry Livache et al.                          |
|                    | 7                     | 6,344,316 B1   | 02-05-2002                  | David J. Lockhart et al.                        |
|                    | 8                     | 6,995,258  | 02-07-2006                  | Rossietal et al.                                |
|                    | 9                     | 2003/0148519   | 08-07-2003                  | Engelke et al.                                  |
|                    |                       |  |                             |   |

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|   |                                 | <b>Attorney Docket No.</b>  | 0687/74768-AA<br>/JPW/GJG/MJP |
| <b>NON PATENT LITERATURE DOCUMENTS</b>  |                                 |   |                               |
| <b>Examiner<br/>Initials<sup>1</sup></b>  | <b>Cite<br/>No.<sup>2</sup></b> | <b>Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.</b> | <b>T<sup>2</sup></b>          |
|   | 10                              | Amendment submitted June 12, 2008 in connection with U.S. Serial No. 11/593,056, filed November 6, 2006   |                               |
|   | 11                              | Office Action issued September 12, 2008 in connection with U.S. Serial No. 11/593,056, filed November 6, 2006   |                               |
|   | 12                              | Advisory Action issued June 6, 2008 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005  |                               |
|   | 13                              | Advisory Action issued June 6, 2008 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005  |                               |
|   | 14                              | Amendment submitted May 11, 2009 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005   |                               |
|   | 15                              | Amendment submitted September 2, 2008 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005  |                               |
|   | 16                              | Amendment, including Exhibits A and B submitted May 21, 2008 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005   |                               |
|   | 17                              | Communication submitted September 2, 2008 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005  |                               |
|   | 18                              | Final Office Action issued August 13, 2009 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005   |                               |
|   | 19                              | Interview Summary for February 1, 2008 Interview in connection with U.S. Serial No. 11/179,504, filed July 13, 2005   |                               |
|   | 20                              | Office Action issued July 30, 2008 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005   |                               |
|   | 21                              | Office Action issued November 10, 2008 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005   |                               |
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## NON PATENT LITERATURE DOCUMENTS

| Examiner Initials <sup>*</sup> | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|--------------------------------|-----------------------|--|----------------|
|                                | 22                    | Amendment and Request for Continued Examination submitted January 7, 2009 in connection with U.S. Serial No. 10/346,853, filed January 17, 2003  |                |
|                                | 23                    | Final Office Action issued May 15, 2009 in connection with U.S. Serial No. 10/346,853, filed January 17, 2003  |                |
|                                | 24                    | Notice of Improper Request for Continued Examination issued October 29, 2008 in connection with U.S. Serial No. 10/346,853, filed January 17, 2003   |                |
|                                | 25                    | Office Action issued July 7, 2008 in connection with U.S. Serial No. 10/346,853, filed January 17, 2003  |                |
|                                | 26                    | Request for Continued Examination submitted October 7, 2008 in connection with U.S. Serial No. 10/346,853, filed January 17, 2003  |                |
|                                | 27                    | Amendment submitted October 9, 2008 in connection with U.S. Serial No. 10/759,841, filed January 15, 2004  |                |
|                                | 28                    | Interview Summary for December 22, 2008 in connection with U.S. Serial No. 10/759,841, filed January 15, 2004  |                |
|                                | 29                    | Interview Summary for February 12, 2009 Interview in connection with U.S. Serial No. 10/759,841, filed January 15, 2004  |                |
|                                | 30                    | Office Action issued January 22, 2009 in connection with U.S. Serial No. 10/759,841, filed January 15, 2004  |                |
|                                | 31                    | Office Action issued January 6, 2009 in connection with U.S. Serial No. 10/759,841, filed January 15, 2004   |                |
|                                | 32                    | Office Action issued July 9, 2008 in connection with U.S. Serial No. 10/759,841, filed January 15, 2004  |                |
|                                | 33                    | Amendment and Request for Continued Examination Submitted September 5, 2008 in connection with U.S. Serial No. 10/821,726, filed April 8, 2004   |                |

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|--------------------|-----------------------|--|----------------|
|                    | 34                    | Amendment submitted May 4, 2009 in connection with U.S. Serial No. 10/821,726, filed April 8, 2004   |                |
|                    | 35                    | Amendment, including Exhibits A to C submitted September 5, 2008 in connection with U.S. Serial No. 10/821,726, filed April 8, 2004  |                |
|                    | 36                    | Notice to the applicant regarding a non-compliant or non-responsive amendment issued September 4, 2009 in connection with U.S. Serial No. 10/821,726, filed April 8, 2004  |                |
|                    | 37                    | Office Action issued November 3, 2008 in connection with U.S. Serial No. 10/821,726, filed April 8, 2004   |                |
|                    | 38                    | Office Action issued September 2, 2008 in connection with U.S. Serial No. 10/821,726, filed April 8, 2004  |                |
|                    | 39                    | Amendment submitted June 6, 2008 in connection with U.S. Serial No. 11/180,928, filed July 13, 2005  |                |
|                    | 40                    | Amendment submitted February 7, 2008 in connection with U.S. Serial No. 10/821,710, filed April 8, 2004  |                |
|                    | 41                    | Notice of Abandonment issued December 15, 2008 in connection with U.S. Serial No. 10/821,710, filed April 8, 2004  |                |
|                    | 42                    | U.S. Published Application No. 2006/0014715, published January 19, 2006 (U.S. Serial No. 11/218,999, filed September 2, 2005; Michael Wayne Graham et al.), including complete file history  |                |
|                    | 43                    | Amendment submitted June 17, 2008 in connection with U.S. Serial No. 11/218,999, filed September 2, 2005   |                |
|                    | 44                    | Amendment submitted March 30, 2009 in connection with U.S. Serial No. 11/218,999, filed September 2, 2005  |                |
|                    | 45                    | Communication issued May 21, 2009 in connection with U.S. Serial No. 11/218,999, filed September 2, 2005   |                |

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|--------------------------------|-----------------------|--|----------------|
|                                | 46                    | Office Action issued May 21, 2008 in connection with U.S. Serial No. 11/218,999, filed September 2, 2005   |                |
|                                | 47                    | Office Action issued September 30, 2008 in connection with U.S. Serial No. 11/218,999, filed September 2, 2005   |                |
|                                | 48                    | Response to Communication submitted June 22, 2009 in connection with U.S. Serial No. 11/218,999, filed September 2, 2005   |                |
|                                | 49                    | Supplemental Response To March 30, 2009 Amendment Filed In Response To September 30, 2008 Office Action filed August 4, 2009 in connection with U.S. Serial No. 11/218,999, filed September 2, 2005  |                |
|                                | 50                    | Amendment submitted July 15, 2009 in connection with U.S. Serial No. 10/646,070, filed July 13, 2005   |                |
|                                | 51                    | Amendment submitted July 24, 2008 in connection with U.S. Serial No. 10/646,070, filed August 22, 2003   |                |
|                                | 52                    | Amendment submitted May 11, 2009 in connection with U.S. Serial No. 10/646,070, filed July 13, 2005  |                |
|                                | 53                    | Amendment submitted October 10, 2008 in connection with U.S. Serial No. 10/646,070, filed August 22, 2003  |                |
|                                | 54                    | Amendment, including Exhibits A to I submitted July 24, 2008 in connection with U.S. Serial No. 10/646,070, filed August 22, 2003  |                |
|                                | 55                    | Office Action issued November 4, 2008 in connection with U.S. Serial No. 10/646,070, filed August 22, 2003   |                |
|                                | 56                    | Office Action, issued June 9, 2009 in connection with U.S. Serial No. 10/646,070, filed July 13, 2005  |                |
|                                | 57                    | Office Action issued July 8, 2008 in connection with U.S. Serial No. 09/646,807, filed December 5, 2000  |                |

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|--------------------|-----------------------|--|----------------|
|                    | 58                    | Petition For Extension of Time submitted April 22, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively   |                |
|                    | 59                    | Advisory Action issued April 24, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively   |                |
|                    | 60                    | Advisory Action issued March 25, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively   |                |
|                    | 61                    | Advisory Action issued March 25, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively   |                |
|                    | 62                    | Amendment after Final submitted February 26, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively   |                |
|                    | 63                    | Amendment submitted July 11, 2008 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively   |                |
|                    | 64                    | Amendment submitted November 28, 2007 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively   |                |
|                    | 65                    | Appeal Brief submitted July 27, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively  |                |
|                    | 66                    | Decision on Petition For Extension of Time issued April 27, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively  |                |
|                    | 67                    | Decision on Petition Under 37 C.F.R. § 1.181 issued April 25, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively  |                |
|                    | 68                    | Declaration of Dr. Arthur Riggs Under 37 C.F.R. § 1.132, including Exhibits A to I submitted February 26, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively                    |                |
|                    | 69                    | Interview Summary issued February 12, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively  |                |

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|                    | 70                    | Interview Summary issued June 12, 2008 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively  |                |
|                    | 71                    | Office Action issued November 19, 2008 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively  |                |
|                    | 72                    | Office Action issued November 26, 2008 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively  |                |
|                    | 73                    | Petition Under 37 C.F.R. § 1.181 submitted April 3, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively  |                |
|                    | 74                    | Petition Under 37 C.F.R. § 1.182 submitted April 3, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively  |                |
|                    | 75                    | Amendment submitted December 19, 2008 in connection with U.S. Serial No. 10/571,384, filed June 1, 2006  |                |
|                    | 76                    | Amendment submitted July 15, 2009 in connection with U.S. Serial No. 10/571,384, filed June 1, 2006  |                |
|                    | 77                    | Office Action issued January 15, 2009 in connection with U.S. Serial No. 10/571,384, filed June 1, 2006  |                |
|                    | 78                    | Office Action issued June 19, 2008 in connection with U.S. Serial No. 10/571,384, filed June 1, 2006   |                |
|                    | 79                    | Pending claims for U.S. Serial No. 10/282,996, filed October 30, 2002  |                |
|                    | 80                    | Pending claims for U.S. Serial No. 10/283,190, filed October 30, 2002  |                |
|                    | 81                    | Pending claims for U.S. Serial No. 10/283,267, filed October 30, 2002  |                |

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|--------------------|-----------------------|--|----------------|
|                    | 82                    | Pending claims for U.S. Serial No. 11/826,385, filed July 13, 2007   |                |
|                    | 83                    | Pending claims for U.S. Serial No. 11/905,368, filed September 28, 2007  |                |
|                    | 84                    | Pending claims for U.S. Serial No. 11/905,449, filed October 1, 2007   |                |
|                    | 85                    | U.S. Patent Publication No. 2008/0248576 A1, published October 9, 2008 (Andrew Fire et al.)  |                |
|                    | 86                    | U.S. Patent Publication No. 2003/0051263 A1, published March 13, 2003 (Andrew Fire et al.)   |                |
|                    | 87                    | U.S. Patent Publication No. 2003/0055020 A1, published March 20, 2003 (Andrew Fire et al.)   |                |
|                    | 88                    | U.S. Patent Publication No. 2008/0050342 A1, published February 28, 2008 (Andrew Fire et al.)  |                |
|                    | 89                    | U.S. Patent Publication No. 2008/0081373 A1, published April 3, 2008 (Andrew Fire et al.)  |                |
|                    | 90                    | U.S. Serial No. 11/905,368, filed September 28, 2007 (Andrew Fire et al.)  |                |
|                    | 91                    | Amendment submitted March 19, 2009 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999  |                |
|                    | 92                    | Amendment submitted May 1, 2008 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999   |                |
|                    | 93                    | March 18, 2009 Declaration Under 37 C.F.R. 1.131 including Annexes I to III, of Dr. Michael Metzlauff in connection with U.S. Serial No. 09/287,632, filed April 7, 1999   |                |

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|   | <b>Filing Date</b>          | January 15, 2004              |
|   | <b>First Named Inventor</b> | Michael Wayne Graham          |
|   | <b>Art Unit</b>             | 1635                          |
|   | <b>Examiner Name</b>        | Whiteman, Brian A.            |
|   | <b>Attorney Docket No.</b>  | 0687/74768-AA<br>/JFW/GJG/MJP |

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|--------------------|-----------------------|--|----------------|
|                    | 94                    | May 1, 2008 Declaration Under 37 C.F.R. § 1.131, including Exhibits 1 to 5 of Peter Michael Waterhouse, Michael Wayne Graham, Ming-Bo Wang and Neil A. Smith in connection with U.S. Serial No. 09/287,632, filed April 7, 1999                                |                |
|                    | 95                    | May 7, 2008 Declaration Under 37 C.F.R. 1.132 of Peter Robert Schofield Resubmission in connection with U.S. Serial No. 09/287,632, filed April 7, 1999  |                |
|                    | 96                    | November 1, 2007 Declaration Under 37 C.F.R. § 1.131, including Exhibits 1 to 5 of Dr. Elizabeth Salisbury Dennis in connection with U.S. Serial No. 09/287,632, filed April 7, 1999   |                |
|                    | 97                    | Office Action issued May 11, 2009 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999   |                |
|                    | 98                    | Office Action issued September 19, 2008 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999   |                |
|                    | 99                    | Amendment submitted April 15, 2009, in connection with U.S. Serial No. 11/364,183, filed March 1, 2006.  |                |
|                    | 100                   | Amendment submitted July 2, 2008 in connection with U.S. Serial No. 11/364,183, filed March 1, 2006  |                |
|                    | 101                   | Declaration by Dr. Michael Metzloff Under 37 C.F.R. § 1.132 submitted April 15, 2009, in connection with U.S. Serial No. 11/364,183, filed March 1, 2006.  |                |
|                    | 102                   | Declaration of Geoffrey Ellacott submitted April 15, 2009, in connection with U.S. Serial No. 11/364,183, filed March 1, 2006.   |                |
|                    | 103                   | Declaration of Neil Smith submitted April 15, 2009, in connection with U.S. Serial No. 11/364,183, filed March 1, 2006.  |                |
|                    | 104                   | Declaration of Peter Michael Waterhouse submitted April 15, 2009, in connection with U.S. Serial No. 11/364,183, filed March 1, 2006.  |                |
|                    | 105                   | Examiner Interview Summary Record (PTOL - 413) issued August 12, 2009 in connection with U.S. Serial No. 11/364,183, filed March 1, 2006.  |                |

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|   | <b>Filing Date</b>          | January 15, 2004              |
|   | <b>First Named Inventor</b> | Michael Wayne Graham          |
|   | <b>Art Unit</b>             | 1635                          |
|   | <b>Examiner Name</b>        | Whiteman, Brian A.            |
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|--------------------|-----------------------|--|----------------|
|                    | 106                   | Interview Summary from February 11, 2009 Interview in connection with U.S. Serial No. 11/364,183, filed March 1, 2006  |                |
|                    | 107                   | July 2, 2008 Declaration Under 37 C.F.R. § 1.131, including Exhibits 1 to 3 of Peter Michael Waterhouse, Michael Wayne Graham, and Ming-Bo Wang in connection with U.S. Serial No. 11/364,183, filed March 1, 2006   |                |
|                    | 108                   | Notice to the applicant regarding a non-compliant or non-responsive amendment issued July 9, 2009 in connection with U.S. Serial No. 11/364,183, filed March 1, 2006.  |                |
|                    | 109                   | Suggestion of Interference Pursuant to 37 C.F.R. § 41.202, submitted April 15, 2009, in connection with U.S. Serial No. 11/364,183, filed March 1, 2006.   |                |
|                    | 110                   | Supplemental Response or Supplemental Amendment submitted August 10, 2009 in connection with U.S. Serial No. 11/364,183, filed March 1, 2006.  |                |
|                    | 111                   | Amendment submitted January 30, 2009 in connection with U.S. Serial No. 11/607,062, filed December 1, 2006   |                |
|                    | 112                   | Office Action issued July 31, 2008 in connection with U.S. Serial No. 11/607,062, filed December 1, 2006   |                |
|                    | 113                   | Office Action issued May 12, 2009 in connection with U.S. Serial No. 11/607,062, filed December 1, 2006  |                |
|                    | 114                   | Amendment submitted January 16, 2008 in connection with U.S. Serial No. 11/841,737, filed August 20, 2007  |                |
|                    | 115                   | Amendment submitted July 6, 2009 in connection with U.S. Serial No. 11/841,737, filed August 20, 2007  |                |
|                    | 116                   | Non-Final Rejection issued August 12, 2009 in connection with U.S. Serial No. 11/841,737, filed August 20, 2007  |                |
|                    | 117                   | Notice of Publication issued May 1, 2008 in connection with U.S. Serial No. 11/841,737, filed August 20, 2007  |                |

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|   |  | <b>First Named Inventor</b> | Michael Wayne Graham          |
|   |  | <b>Art Unit</b>             | 1635                          |
|   |  | <b>Examiner Name</b>        | Whiteman, Brian A.            |
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|                    | 118                   | Restriction Requirement issued May 4, 2009 in connection with U.S. Serial No. 11/841,737, filed August 20, 2007  |                |
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|                    | 122                   | Third party observations under article 115 EPC against European Patent Application EP 98964202.0 in the name of Carnegie Institution of Washington, submitted to the European Patent Office on March 24, 2009.   |                |
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| <b>EXAMINER SIGNATURE</b>   | /Brian Whiteman/ | <b>DATE CONSIDERED</b> | 01/28/2010 |
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## **EXHIBIT 46**

**Amendment As A Submission Under 37 C.F.R. § 1.114(c)**

Submitted: September 24, 2009

**Serial No. 10/759,841**

Filed: January 15, 2004

Applicants: Michael Wayne Graham et al.



Exhibit 46: Table of Locations for Disclosed Documents

| Document | Document Description  | Document Location   |
|----------|---|---|
| 1        | U.S. Patent No. 5,017,488 (McAllister et al.), May 21, 1991   | Available to the Examiner on PAIR   |
| 2        | U.S. Patent No. 5,270,163 (Gold et al.), December 14, 1993  | Available to the Examiner on PAIR   |
| 3        | U.S. Patent No. 5,457,189 (Crooke et al.), October 10, 1995   | Available to the Examiner on PAIR   |
| 4        | U.S. Patent No. 5,580,703 (Kotin et al.), December 3, 1996  | Available to the Examiner on PAIR   |
| 5        | U.S. Patent No. 5,707,835 (Haseloff et al.), January 13, 1998   | Available to the Examiner on PAIR   |
| 6        | U.S. Patent No. 5,795,715, issued August 18, 1998, to Thierry Livache et al.                                  | Available to the Examiner on PAIR   |
| 7        | U.S. Patent No. 6,344,316 B1, issued February 5, 2002 to David J. Lockhart et al.                             | Available to the Examiner on PAIR   |
| 8        | U.S. Patent No. 6,995,258 (Rossietal et al.), February 7, 2006  | Available to the Examiner on PAIR   |
| 9        | U.S. Published Application No. 2003/0148519 (Engelke et al.), August 7, 2003                                  | Available to the Examiner on PAIR   |
| 10       | Amendment submitted June 12, 2008 in connection with U.S. Serial No. 11/593,056, filed November 6, 2006       | Submitted June 12, 2008 in connection with U.S. Serial No. 11/593,056, filed November 6, 2006   |
| 11       | Office Action issued September 12, 2008 in connection with U.S. Serial No. 11/593,056, filed November 6, 2006 | Issued September 12, 2008 in connection with U.S. Serial No. 11/593,056, filed November 6, 2006 |
| 12       | Advisory Action issued June 6, 2008 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005        | Issued June 6, 2008 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005          |
| 13       | Advisory Action issued June 6, 2008 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005        | Issued June 6, 2008 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005          |
| 14       | Amendment submitted May 11, 2009 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005           | Submitted May 11, 2009 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005       |
| 15       | Amendment submitted September 2, 2008 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005      | Submitted September 2, 2008 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005  |

| Document | Document Description   | Document Location  |
|----------|--|--|
| 16       | Amendment, including Exhibits A and B submitted May 21, 2008 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005                    | Submitted May 21, 2008 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005            |
| 17       | Communication submitted September 2, 2008 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005                                       | Submitted September 2, 2008 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005       |
| 18       | Final Office Action issued August 13, 2009 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005                                      | Issued August 13, 2009 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005            |
| 19       | Interview Summary for February 1, 2008 Interview in connection with U.S. Serial No. 11/179,504, filed July 13, 2005                                | Issued February 1, 2008 Interview in connection with U.S. Serial No. 11/179,504, filed July 13, 2005 |
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| 22       | Amendment and Request for Continued Examination submitted January 7, 2009 in connection with U.S. Serial No. 10/346,853, filed January 17, 2003    | Submitted January 7, 2009 in connection with U.S. Serial No. 10/346,853, filed January 17, 2003      |
| 23       | Final Office Action issued May 15, 2009 in connection with U.S. Serial No. 10/346,853, filed January 17, 2003                                      | Issued May 15, 2009 in connection with U.S. Serial No. 10/346,853, filed January 17, 2003            |
| 24       | Notice of Improper Request for Continued Examination issued October 29, 2008 in connection with U.S. Serial No. 10/346,853, filed January 17, 2003 | Issued October 29, 2008 in connection with U.S. Serial No. 10/346,853, filed January 17, 2003        |
| 25       | Office Action issued July 7, 2008 in connection with U.S. Serial No. 10/346,853, filed January 17, 2003  | Issued July 7, 2008 in connection with U.S. Serial No. 10/346,853, filed January 17, 2003            |
| 26       | Request for Continued Examination submitted October 7, 2008 in connection with U.S. Serial No. 10/346,853, filed January 17, 2003                  | Submitted October 7, 2008 in connection with U.S. Serial No. 10/346,853, filed January 17, 2003      |
| 27       | Amendment submitted October 9, 2008 in connection with U.S. Serial No. 10/759,841, filed January 15, 2004  | Submitted October 9, 2008 in connection with U.S. Serial No. 10/759,841, filed January 15, 2004      |
| 28       | Interview Summary for December 22, 2008 in connection with U.S. Serial No. 10/759,841, filed January 15, 2004                                      | Issued December 31, 2008 in connection with U.S. Serial No. 10/759,841, filed January 15, 2004       |

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| 29       | Interview Summary for February 12, 2009 Interview in connection with U.S. Serial No. 10/759,841, filed January 15, 2004   | Issued February 20, 2009 Interview in connection with U.S. Serial No. 10/759,841, filed January 15, 2004 |
| 30       | Office Action issued January 22, 2009 in connection with U.S. Serial No. 10/759,841, filed January 15, 2004   | Issued January 22, 2009 in connection with U.S. Serial No. 10/759,841, filed January 15, 2004            |
| 31       | Office Action issued January 6, 2009 in connection with U.S. Serial No. 10/759,841, filed January 15, 2004  | Issued January 6, 2009 in connection with U.S. Serial No. 10/759,841, filed January 15, 2004             |
| 32       | Office Action issued July 9, 2008 in connection with U.S. Serial No. 10/759,841, filed January 15, 2004   | Issued July 9, 2008 in connection with U.S. Serial No. 10/759,841, filed January 15, 2004                |
| 33       | Amendment and Request for Continued Examination Submitted September 5, 2008 in connection with U.S. Serial No. 10/821,726, filed April 8, 2004                            | Submitted September 5, 2008 in connection with U.S. Serial No. 10/821,726, filed April 8, 2004           |
| 34       | Amendment submitted May 4, 2009 in connection with U.S. Serial No. 10/821,726, filed April 8, 2004  | Submitted May 4, 2009 in connection with U.S. Serial No. 10/821,726, filed April 8, 2004                 |
| 35       | Amendment, including Exhibits A to C submitted September 5, 2008 in connection with U.S. Serial No. 10/821,726, filed April 8, 2004                                       | Submitted September 5, 2008 in connection with U.S. Serial No. 10/821,726, filed April 8, 2004           |
| 36       | Notice to the applicant regarding a non-compliant or non-responsive amendment issued September 4, 2009 in connection with U.S. Serial No. 10/821,726, filed April 8, 2004 | Issued September 4, 2009 in connection with U.S. Serial No. 10/821,726, filed April 8, 2004              |
| 37       | Office Action issued November 3, 2008 in connection with U.S. Serial No. 10/821,726, filed April 8, 2004  | Issued November 3, 2008 in connection with U.S. Serial No. 10/821,726, filed April 8, 2004               |
| 38       | Office Action issued September 2, 2008 in connection with U.S. Serial No. 10/821,726, filed April 8, 2004   | Issued September 2, 2008 in connection with U.S. Serial No. 10/821,726, filed April 8, 2004              |
| 39       | Amendment submitted June 6, 2008 in connection with U.S. Serial No. 11/180,928, filed July 13, 2005   | Submitted June 6, 2008 in connection with U.S. Serial No. 11/180,928, filed July 13, 2005                |
| 40       | Amendment submitted February 7, 2008 in connection with U.S. Serial No. 10/821,710, filed April 8, 2004   | Submitted February 7, 2008 in connection with U.S. Serial No. 10/821,710, filed April 8, 2004            |
| 41       | Notice of Abandonment issued December 15, 2008 in connection with U.S. Serial No. 10/821,710, filed April 8, 2004   | Issued December 15, 2008 in connection with U.S. Serial No. 10/821,710, filed April 8, 2004              |

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| 42       | U.S. Published Application No. 2006/0014715, published January 19, 2006 (U.S. Serial No. 11/218,999, filed September 2, 2005; Michael Wayne Graham et al.), including complete file history         | Available to the Examiner on PAIR  |
| 43       | Amendment submitted June 17, 2008 in connection with U.S. Serial No. 11/218,999, filed September 2, 2005  | Submitted June 17, 2008 in connection with U.S. Serial No. 11/218,999, filed September 2, 2005   |
| 44       | Amendment submitted March 30, 2009 in connection with U.S. Serial No. 11/218,999, filed September 2, 2005   | Submitted March 30, 2009 in connection with U.S. Serial No. 11/218,999, filed September 2, 2005  |
| 45       | Communication issued May 21, 2009 in connection with U.S. Serial No. 11/218,999, filed September 2, 2005  | Issued May 21, 2009 in connection with U.S. Serial No. 11/218,999, filed September 2, 2005       |
| 46       | Office Action issued May 21, 2008 in connection with U.S. Serial No. 11/218,999, filed September 2, 2005  | Issued May 21, 2008 in connection with U.S. Serial No. 11/218,999, filed September 2, 2005       |
| 47       | Office Action issued September 30, 2008 in connection with U.S. Serial No. 11/218,999, filed September 2, 2005  | Issued September 30, 2008 in connection with U.S. Serial No. 11/218,999, filed September 2, 2005 |
| 48       | Response to Communication submitted June 22, 2009 in connection with U.S. Serial No. 11/218,999, filed September 2, 2005  | Submitted June 22, 2009 in connection with U.S. Serial No. 11/218,999, filed September 2, 2005   |
| 49       | Supplemental Response To March 30, 2009 Amendment Filed In Response To September 30, 2008 Office Action filed August 4, 2009 in connection with U.S. Serial No. 11/218,999, filed September 2, 2005 | Submitted August 4, 2009 in connection with U.S. Serial No. 11/218,999, filed September 2, 2005  |
| 50       | Amendment submitted July 15, 2009 in connection with U.S. Serial No. 10/646,070, filed July 13, 2005  | Submitted July 15, 2009 in connection with U.S. Serial No. 10/646,070, filed August 22, 2003     |
| 51       | Amendment submitted July 24, 2008 in connection with U.S. Serial No. 10/646,070, filed August 22, 2003  | Submitted July 24, 2008 in connection with U.S. Serial No. 10/646,070, filed August 22, 2003     |
| 52       | Amendment submitted May 11, 2009 in connection with U.S. Serial No. 10/646,070, filed July 13, 2005   | Submitted May 11, 2009 in connection with U.S. Serial No. 10/646,070, filed August 22, 2003      |
| 53       | Amendment submitted October 10, 2008 in connection with U.S. Serial No. 10/646,070, filed August 22, 2003   | Submitted October 10, 2008 in connection with U.S. Serial No. 10/646,070, filed August 22, 2003  |

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| 54       | Amendment, including Exhibits A to I submitted July 24, 2008 in connection with U.S. Serial No. 10/646,070, filed August 22, 2003  | Submitted July 24, 2008 in connection with U.S. Serial No. 10/646,070, filed August 22, 2003   |
| 55       | Office Action issued November 4, 2008 in connection with U.S. Serial No. 10/646,070, filed August 22, 2003   | Issued November 4, 2008 in connection with U.S. Serial No. 10/646,070, filed August 22, 2003   |
| 56       | Office Action, issued June 9, 2009 in connection with U.S. Serial No. 10/646,070, filed July 13, 2005  | Issued June 9, 2009 in connection with U.S. Serial No. 10/646,070, filed August 22, 2003   |
| 57       | Office Action issued July 8, 2008 in connection with U.S. Serial No. 09/646,807, filed December 5, 2000  | Issued July 8, 2008 in connection with U.S. Serial No. 09/646,807, filed December 5, 2000  |
| 58       | Petition For Extension of Time submitted April 22, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively | Submitted April 22, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively    |
| 59       | Advisory Action issued April 24, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively                   | Issued April 24, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively       |
| 60       | Advisory Action issued March 25, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively                   | Issued March 25, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively       |
| 61       | Advisory Action issued March 25, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively                   | Issued March 25, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively       |
| 62       | Amendment after Final submitted February 26, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively       | Submitted February 26, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively |
| 63       | Amendment submitted July 11, 2008 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively                       | Submitted July 11, 2008 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively     |

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| 64       | Amendment submitted November 28, 2007 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively   | Submitted November 28, 2007 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively |
| 65       | Appeal Brief submitted July 27, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively  | Submitted July 27, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively     |
| 66       | Decision on Petition For Extension of Time issued April 27, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively  | Issued April 27, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively       |
| 67       | Decision on Petition Under 37 C.F.R. § 1.181 issued April 25, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively  | Issued April 25, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively       |
| 68       | Declaration of Dr. Arthur Riggs Under 37 C.F.R. §1.132, including Exhibits A to I submitted February 26, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively | Submitted February 26, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively |
| 69       | Interview Summary issued February 12, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively  | Issued February 12, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively    |
| 70       | Interview Summary issued June 12, 2008 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively  | Issued June 12, 2008 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively        |
| 71       | Office Action issued November 19, 2008 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively  | Issued November 19, 2008 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively    |

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| 72       | Office Action issued November 26, 2008 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively                   | Issued November 26, 2008 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively |
| 73       | Petition Under 37 C.F.R. § 1.181 submitted April 3, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively | Submitted April 3, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively  |
| 74       | Petition Under 37 C.F.R. § 1.182 submitted April 3, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively | Submitted April 3, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively  |
| 75       | Amendment submitted December 19, 2008 in connection with U.S. Serial No. 10/571,384, filed June 1, 2006   | Submitted December 19, 2008 in connection with U.S. Serial No. 10/571,384, filed June 1, 2006   |
| 76       | Amendment submitted July 15, 2009 in connection with U.S. Serial No. 10/571,384, filed June 1, 2006   | Submitted July 15, 2009 in connection with U.S. Serial No. 10/571,384, filed June 1, 2006   |
| 77       | Office Action issued January 15, 2009 in connection with U.S. Serial No. 10/571,384, filed June 1, 2006   | Issued January 15, 2009 in connection with U.S. Serial No. 10/571,384, filed June 1, 2006   |
| 78       | Office Action issued June 19, 2008 in connection with U.S. Serial No. 10/571,384, filed June 1, 2006  | Issued June 19, 2008 in connection with U.S. Serial No. 10/571,384, filed June 1, 2006  |
| 79       | Pending claims for U.S. Serial No. 10/282,996, filed October 30, 2002   | Available to the Examiner on PAIR   |
| 80       | Pending claims for U.S. Serial No. 10/283,190, filed October 30, 2002   | Available to the Examiner on PAIR   |
| 81       | Pending claims for U.S. Serial No. 10/283,267, filed October 30, 2002   | Available to the Examiner on PAIR   |
| 82       | Pending claims for U.S. Serial No. 11/826,385, filed July 13, 2007  | Available to the Examiner on PAIR   |
| 83       | Pending claims for U.S. Serial No. 11/905,368, filed September 28, 2007   | Available to the Examiner on PAIR   |
| 84       | Pending claims for U.S. Serial No. 11/905,449, filed October 1, 2007  | Available to the Examiner on PAIR   |
| 85       | U.S. Patent Publication No. 2008/0248576 A1, published October 9, 2008 (Andrew Fire et al.)   | Available to the Examiner on PAIR   |

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| 86       | U.S. Patent Publication No. 2003/0051263 A1, published March 13, 2003 (Andrew Fire et al.)  | Available to the Examiner on PAIR   |
| 87       | U.S. Patent Publication No. 2003/0055020 A1, published March 20, 2003 (Andrew Fire et al.)  | Available to the Examiner on PAIR   |
| 88       | U.S. Patent Publication No. 2008/0050342 A1, published February 28, 2008 (Andrew Fire et al.)   | Available to the Examiner on PAIR   |
| 89       | U.S. Patent Publication No. 2008/0081373 A1, published April 3, 2008 (Andrew Fire et al.)   | Available to the Examiner on PAIR   |
| 90       | U.S. Serial No. 11/905,368, filed September 28, 2007 (Andrew Fire et al.)   | Available to the Examiner on PAIR   |
| 91       | Amendment submitted March 19, 2009 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999   | Submitted March 19, 2009 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999   |
| 92       | Amendment submitted May 1, 2008 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999  | Submitted May 1, 2008 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999      |
| 93       | March 18, 2009 Declaration Under 37 C.F.R. 1.131 including Annexes I to III, of Dr. Michael Metzloff in connection with U.S. Serial No. 09/287,632, filed April 7, 1999   | Submitted March 19, 2009 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999   |
| 94       | May 1, 2008 Declaration Under 37 C.F.R. § 1.131, including Exhibits 1 to 5 of Peter Michael Waterhouse, Michael Wayne Graham, Ming-Bo Wang and Neil A. Smith in connection with U.S. Serial No. 09/287,632, filed April 7, 1999 | Submitted May 1, 2008 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999      |
| 95       | May 7, 2008 Declaration Under 37 C.F.R. 1.132 of Peter Robert Schofield Resubmission in connection with U.S. Serial No. 09/287,632, filed April 7, 1999   | Submitted May 7, 2008 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999      |
| 96       | November 1, 2007 Declaration Under 37 C.F.R. § 1.131, including Exhibits 1 to 5 of Dr. Elizabeth Salisbury Dennis in connection with U.S. Serial No. 09/287,632, filed April 7, 1999  | Submitted November 1, 2007 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999 |
| 97       | Office Action issued May 11, 2009 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999  | Issued May 11, 2009 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999        |



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| 98       | Office Action issued September 19, 2008 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999   | Issued September 19, 2008 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999          |
| 99       | Amendment submitted April 15, 2009, in connection with U.S. Serial No. 11/364,183, filed March 1, 2006.  | Submitted April 15, 2009, in connection with U.S. Serial No. 11/364,183, filed March 1, 2006.         |
| 100      | Amendment submitted July 2, 2008 in connection with U.S. Serial No. 11/364,183, filed March 1, 2006  | Submitted July 2, 2008 in connection with U.S. Serial No. 11/364,183, filed March 1, 2006             |
| 101      | Declaration by Dr. Michael Metzloff Under 37 C.F.R. § 1.132 submitted April 15, 2009, in connection with U.S. Serial No. 11/364,183, filed March 1, 2006.  | Submitted April 15, 2009, in connection with U.S. Serial No. 11/364,183, filed March 1, 2006.         |
| 102      | Declaration of Geoffrey Ellacott submitted April 15, 2009, in connection with U.S. Serial No. 11/364,183, filed March 1, 2006.   | Submitted April 15, 2009, in connection with U.S. Serial No. 11/364,183, filed March 1, 2006.         |
| 103      | Declaration of Neil Smith submitted April 15, 2009, in connection with U.S. Serial No. 11/364,183, filed March 1, 2006.  | Submitted April 15, 2009, in connection with U.S. Serial No. 11/364,183, filed March 1, 2006.         |
| 104      | Declaration of Peter Michael Waterhouse submitted April 15, 2009, in connection with U.S. Serial No. 11/364,183, filed March 1, 2006.  | Submitted April 15, 2009, in connection with U.S. Serial No. 11/364,183, filed March 1, 2006.         |
| 105      | Examiner Interview Summary Record (PTOL - 413) issued August 12, 2009 in connection with U.S. Serial No. 11/364,183, filed March 1, 2006.  | Issued August 12, 2009 in connection with U.S. Serial No. 11/364,183, filed March 1, 2006             |
| 106      | Interview Summary from February 11, 2009 Interview in connection with U.S. Serial No. 11/364,183, filed March 1, 2006  | Issued February 17, 2009 Interview in connection with U.S. Serial No. 11/364,183, filed March 1, 2006 |
| 107      | July 2, 2008 Declaration Under 37 C.F.R. § 1.131, including Exhibits 1 to 3 of Peter Michael Waterhouse, Michael Wayne Graham, and Ming-Bo Wang in connection with U.S. Serial No. 11/364,183, filed March 1, 2006 | Submitted July 2, 2008 in connection with U.S. Serial No. 11/364,183, filed March 1, 2006             |
| 108      | Notice to the applicant regarding a non-compliant or non-responsive amendment issued July 9, 2009 in connection with U.S. Serial No. 11/364,183, filed March 1, 2006.  | Issued July 9, 2009 in connection with U.S. Serial No. 11/364,183, filed March 1, 2006                |

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| 109      | Suggestion of Interference Pursuant to 37 C.F.R. § 41.202, submitted April 15, 2009, in connection with U.S. Serial No. 11/364,183, filed March 1, 2006. | Submitted April 15, 2009, in connection with U.S. Serial No. 11/364,183, filed March 1, 2006.   |
| 110      | Supplemental Response or Supplemental Amendment submitted August 10, 2009 in connection with U.S. Serial No. 11/364,183, filed March 1, 2006.            | Submitted August 10, 2009, in connection with U.S. Serial No. 11/364,183, filed March 1, 2006.  |
| 111      | Amendment submitted January 30, 2009 in connection with U.S. Serial No. 11/607,062, filed December 1, 2006   | Submitted January 30, 2009 in connection with U.S. Serial No. 11/607,062, filed December 1, 2006  |
| 112      | Office Action issued July 31, 2008 in connection with U.S. Serial No. 11/607,062, filed December 1, 2006   | Issued July 31, 2008 in connection with U.S. Serial No. 11/607,062, filed December 1, 2006  |
| 113      | Office Action issued May 12, 2009 in connection with U.S. Serial No. 11/607,062, filed December 1, 2006  | Issued May 12, 2009 in connection with U.S. Serial No. 11/607,062, filed December 1, 2006   |
| 114      | Amendment submitted January 16, 2008 in connection with U.S. Serial No. 11/841,737, filed August 20, 2007  | Submitted January 16, 2008 in connection with U.S. Serial No. 11/841,737, filed August 20, 2007   |
| 115      | Amendment submitted July 6, 2009 in connection with U.S. Serial No. 11/841,737, filed August 20, 2007  | Submitted July 6, 2009 in connection with U.S. Serial No. 11/841,737, filed August 20, 2007   |
| 116      | Non-Final Rejection issued August 12, 2009 in connection with U.S. Serial No. 11/841,737, filed August 20, 2007  | Issued August 12, 2009 in connection with U.S. Serial No. 11/841,737, filed August 20, 2007   |
| 117      | Notice of Publication issued May 1, 2008 in connection with U.S. Serial No. 11/841,737, filed August 20, 2007  | Issued May 1, 2008 in connection with U.S. Serial No. 11/841,737, filed August 20, 2007   |
| 118      | Restriction Requirement issued May 4, 2009 in connection with U.S. Serial No. 11/841,737, filed August 20, 2007  | Issued May 4, 2009 in connection with U.S. Serial No. 11/841,737, filed August 20, 2007   |
| 119      | European Search Report mailed June 3, 2005, for EP 04015041, filed March 19, 1999, 4 pages   | Submitted June 30, 2005 with an Information Disclosure Statement in connection with U.S. Reexamination No. 90/007,247, filed October 4, 2004  |
| 120      | International Search Report mailed on May 10, 1999, for PCT patent application no. PCT/AU99/00195 filed March 19, 1999, 3 pages                          | Submitted February 7, 2005 in an Information Disclosure Statement in connection with U.S. Reexamination No. 90/007,247, filed October 4, 2004 |
| 121      | International Search Report mailed on May 10, 2001, for PCT patent application no. PCT/AU01/00297 filed March 16, 2001, 2 pages                          | Submitted February 7, 2005 in an Information Disclosure Statement in connection with U.S. Reexamination No. 90/007,247, filed October 4, 2004 |

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| 122      | Third party observations under article 115 EPC against European Patent Application EP 98964202.0 in the name of Carnegie Institution of Washington, submitted to the European Patent Office on March 24, 2009. | Submitted April 2, 2009 with an Information Disclosure Statement in connection with U.S. Serial No. 11/218,999, filed September 2, 2005                     |
| 123      | Written Opinion mailed on April 17, 2004, for PCT application no PCT/AU03/01177 filed September 9, 2003, 7 pages   | Submitted February 7, 2005 in an Information Disclosure Statement in connection with U.S. Reexamination No. 90/007,247, filed October 4, 2004               |
| 124      | Bhargava A., et al. (2002) "Glucocorticoids prolong Ca(2+) transients in hippocampal-derived H19-7 neurons by repressing the plasma membrane Ca(2+)-ATPase-1" Mol Endocrinol. 16(7):1629-37                    | Submitted March 30, 2009 with an Information Disclosure Statement in connection with in connection with U.S. Serial No. 11/218,999, filed September 2, 2005 |
| 125      | Bhargava A., et al. (2004) "Long double-stranded RNA-mediated RNA interference as a tool to achieve site-specific silencing of hypothalamic neuropeptides" Brain Res Brain Res Protoc. (2):115-25              | Submitted March 30, 2009 with an Information Disclosure Statement in connection with U.S. Serial No. 11/218,999, filed September 2, 2005                    |
| 126      | Diallo M., et al. (2003) "Long endogenous dsRNAs can induce complete gene silencing in mammalian cells and primary cultures" Oligonucleotides. 13(5):381-92  | Submitted March 30, 2009 with an Information Disclosure Statement in connection with U.S. Serial No. 11/218,999, filed September 2, 2005                    |
| 127      | Fedoriv A.M., et al. (2004) "Transgenic RNAi reveals essential function for CTCF in H19 gene imprinting" Science. 303(5655):238-40   | Submitted March 30, 2009 with an Information Disclosure Statement in connection with U.S. Serial No. 11/218,999, filed September 2, 2005                    |
| 128      | Gan L., et al. (2002) "Specific interference with gene expression and gene function mediated by long dsRNA in neural cells" J Neurosci Methods. 121(2):151-7   | Submitted March 30, 2009 with an Information Disclosure Statement in connection with U.S. Serial No. 11/218,999, filed September 2, 2005                    |
| 129      | Lazar, S. et al. (2004) "Selective degradation of cyclin B1 mRNA in rat oocytes by RNA interference (RNAi)" J Mol Endocrinol. 33(1):73-85  | Submitted March 30, 2009 with an Information Disclosure Statement in connection with U.S. Serial No. 11/218,999, filed September 2, 2005                    |
| 130      | Stein P., et al. (2003) "Transgenic RNAi in mouse oocytes: a simple and fast approach to study gene function" Dev Biol. 256(1):187-93  | Submitted March 30, 2009 with an Information Disclosure Statement in connection with U.S. Serial No. 11/218,999, filed September 2, 2005                    |

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